

=> d his

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L1 STRUCTURE UPLOADED

L2 3 S L1

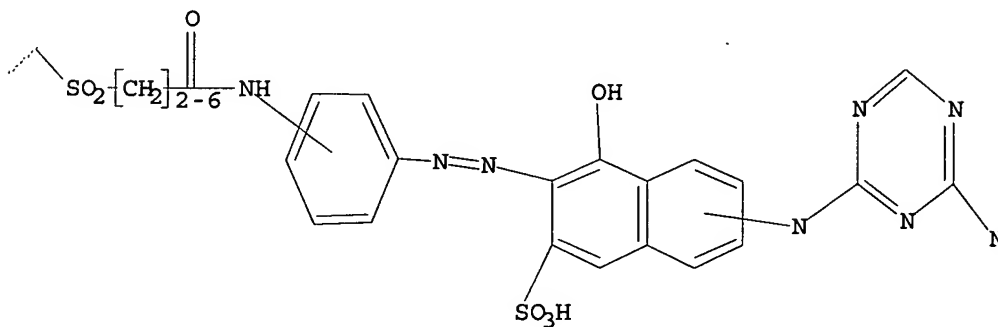
L3 8 S L1 FULL

FILE 'CAPLUS' ENTERED AT 10:12:08 ON 02 DEC 2005

L4 2 S L3

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L1 STR



Structure attributes must be viewed using STN Express query preparation.

L3 8 SEA FILE=REGISTRY SSS FUL L1

L4 2 SEA FILE=CAPLUS ABB=ON PLU=ON L3

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L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2005:1042344 CAPLUS
 DOCUMENT NUMBER: 143:348671
 TITLE: Fibre-reactive dyes, their preparation and their use
 INVENTOR(S): Tzikas, Athanassios; Roentgen, Georg; Christnacher, Hubert Jean Luc
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: PCT Int. Appl., 59 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

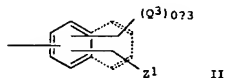
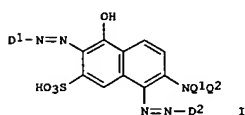
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005090484	A1	20050929	WO 2005-EP51044	20050309

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SH, TD, TG

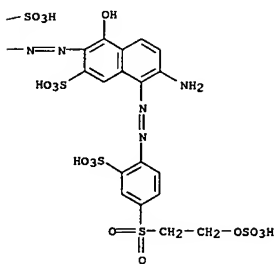
PRIORITY APPLN. INFO.: EP 2004-101144 A 20040319

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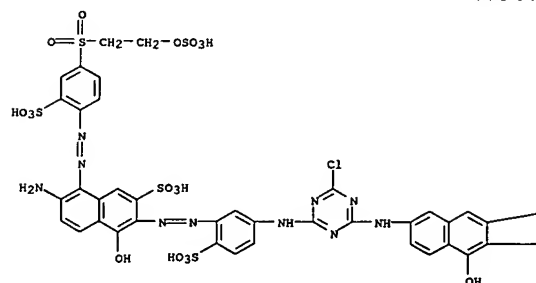
L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 1-B



RN 865359-64-4 CAPLUS
 CN INDEX NAME NOT YET ASSIGNED

PAGE 1-A



L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

ABSTRACT:

The invention relates to reactive dyes of formula (I), wherein Q1 and Q2 are each independently of the other hydrogen or unsubstituted or substituted C1-C4 alkyl, D1 is the radical of a diazo component, which is itself a mono- or dis-azo dye or contains such a dye, D2 has the same definition as D1 or is a radical of formula (II), wherein (Q3)0-3 denotes from 0 to 3 identical or different substituents selected from the group halogen, C1-C4 alkyl, C1-C4 alkoxy, carboxy and sulfo and Z1 is a radical of formula -SO2-Y (3a), -NH-CO-(CH2)m-SO2-Y (3b), -CONH-(CH2)n-SO2-Y (3c), -NH-CO-CH(Hal)-CH2-Hal (3d) or -NH-CO-C(Hal):CH2 (3e), Y is vinyl or a -CH2-CH2-U radical and U is a group that is removable under alkaline conditions, m and n are each independently of the other the number 2, 3 or 4, and Hal is halogen. The dye mixts. are suitable for dyeing cellulosic or amide-group-containing fiber materials (e.g., cotton fabrics) with good fastness properties.

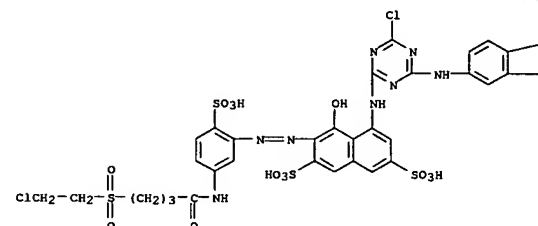
IT 865359-42-8P 865359-64-4P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (production of fiber-reactive diazo dyes for for dyeing cellulosic or amide-containing fiber materials)

RN 865359-42-8 CAPLUS

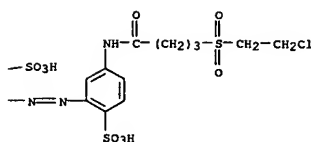
CN INDEX NAME NOT YET ASSIGNED

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L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 1-B

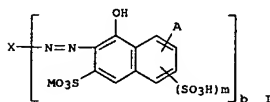


REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN
 ACCESSION NUMBER: 2001:338130 CAPLUS
 DOCUMENT NUMBER: 134:341613
 TITLE: Reactive azo dyes, their production and their use
 INVENTOR(S): Tzikas, Athanassios; Deitz, Rolf; Klier, Herbert
 PATENT ASSIGNEE(S): Ciba Specialty Chemicals Holding Inc., Switz.
 SOURCE: Eur. Pat. Appl., 55 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1097971	A1	20010509	EP 2000-811000	20001027
EP 1097971	B1	20030723		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
EP 1312651	A2	20030521	EP 2003-3629	20001027
EP 1312651	A3	20031203		
R: CH, DE, ES, FR, GB, IT, LI				
ES 2202029	T3	20040401	ES 2000-811000	20001027
US 6323327	B1	20011127	US 2000-704354	20001102
JP 2001172517	A2	20010626	JP 2000-336846	20001106
US 6392021	B1	20020521	US 2001-961820	20010924
			EP 1999-811015	A 19991105
			EP 2000-811000	A3 20001027
			US 2000-704354	A1 20001102

OTHER SOURCE(S): MARPAT 134:341613
 GRAPHIC IMAGE:



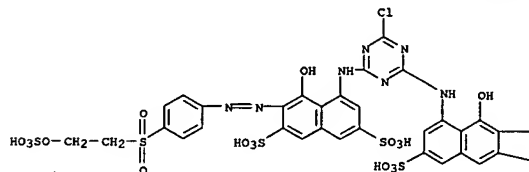
ABSTRACT:
 The reactive dyes I (A = vinyl sulfone- or halotriazine-containing fiber-reactive group; X = vinyl sulfone-containing diazo component-based group; b = 1, 2) are obtained by coupling diazotized XNH2 or tetrazotized X(NH2)2 with the requisite sulfonaphthol coupling component. I have good coloristic, application, and fastness properties when applied to cotton or wool; they may also be applied in

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 jet-printing inks. A red disazo dye was prep. using as the coupling component the condensate of cyanuric chloride and 1-amino-8-naphthol-3,6-disulfonic acid. One diazo component was 4-(2-sulfatoethylsulfonyl)aniline and the other was the condensate of 1,3-phenylenediamine-4-sulfonic acid with γ-(β-chloroethylsulfonyl)butyryl chloride.

IT 338398-55-3P
 RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (red dye; production of reactive azo dyes for cotton, wool and jet-printing inks)

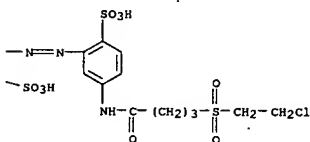
RN 338398-55-3 CAPLUS
 CN 2,7-Naphthalenedisulfonic acid, 5-[[[4-chloro-6-[[[7-[[[5-[[[4-((2-chloroethyl)sulfonyl)-1-oxobutyl]amino]-2-sulfophenyl]azo]-8-hydroxy-3,6-disulfo-1-naphthalenyl]amino]-1,3,5-triazin-2-yl]amino]-4-hydroxy-3-[[[4-[[[2-(sulfooxy)ethyl]sulfonyl]phenyl]azo]- (9CI) (CA INDEX NAME)

PAGE 1-A



L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAGE 1-B



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

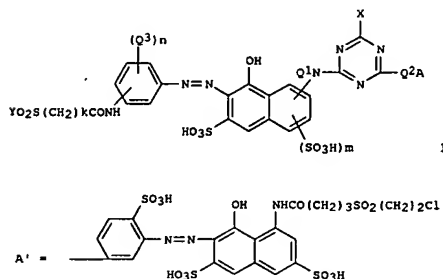
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L8	27	SEA FILE=CAPLUS	ABB=ON	PLU=ON	("MULLER BERNHARD"/AU OR
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L9	8	SEA FILE=CAPLUS	ABB=ON	PLU=ON	"ROENTGEN GEORG"/AU
L10	153	SEA FILE=CAPLUS	ABB=ON	PLU=ON	L7 OR L8 OR L9
L11	26	SEA FILE=CAPLUS	ABB=ON	PLU=ON	L10 AND (REACTIVE AND AZO AND
					TRIAZIN?)

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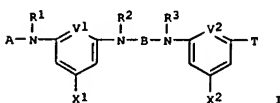
L11 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2005 ACS ON STN
 AN 2004:120916 CAPLUS
 DN 140:165441
 TI Reactive azo dyes, their production and their use
 IN Tsikas, Athanassios; Mueller, Bernhard; Roentgen, Georg
 PA Ciba Specialty Chemicals Holding, Inc., Switz.
 SO PCT Int. Appl., 52 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004013235	A1	20040212	WO 2003-EP7636	20030715
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG				
EP 1523527	A1	20050420	EP 2003-766169	20030715
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005533911	T2	20051110	JP 2004-525198	20030715
US 2005241080	A1	20051103	US 2005-523241	20050119
PRAI EP 2002-405646	A	20020724		
WO 2003-EP7636	W	20030715		
OS MARPAT 140:165441				
GI				



L11 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2005 ACS ON STN
 AN 2002:51717 CAPLUS
 DN 136:119798
 TI Printing cellulosic fiber materials without an additional fixing process step
 IN Tsikas, Athanassios; Reichert, Hans; Klier, Herbert
 PA Ciba Specialty Chemicals Holding Inc., Switz.
 SO PCT Int. Appl., 54 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002004741	A1	20020117	WO 2001-EP7362	20010628
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1299594	A1	20030409	EP 2001-953180	20010628
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004502886	T2	20040129	JP 2002-509589	20010628
US 2002032318	A1	20020314	US 2001-899439	20010705
US 6623533	B2	20030923		
US 2004055098	A1	20040325	US 2003-618922	20030714
US 6953845	B2	20051011		
PRAI EP 2000-810594	A	20000707		
WO 2001-EP7362	W	20010628		
US 2001-899439	A3	20010705		
OS MARPAT 136:119798				
GI				



AB Printing cellulosic fiber materials comprises fiber material brought into contact with reactive dyes I, where A is the radical of a monoazo, polyazo, metal complex azo, anthraquinone, phthalocyanine, formazan or dioxazine chromophore, R1, R2 and R3 = H or unsubstituted or substituted C1-4-alkyl, X1 and X2 = halogen, B is an organic bridging member, T is a reactive radical, R4 = H, C1-4-alkyl unsubstituted or substituted by hydroxy, sulfo, sulfato, carboxy or by CN, or a radical alkR5SO2Y, where R5 = is H, OH, sulfo, sulfato, carboxy, CN, halogen, C1-4-alkoxy, carbonyl, C1-4-alkenoyloxy, carbamoyl or SO2Y, R6 = H or C1-4-alkyl, alk and alk1 are linear or branched C1-6-alkylene, arylene

L11 ANSWER 1 OF 26 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)

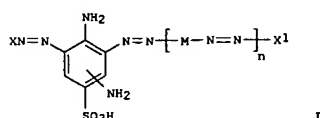
AB Reactive dyes (I: A = monoazo, polyazo, metal complex azo, anthraquinone, phthalocyanine, formazan, dioxazine is an unsubstituted or sulfo, carboxy, OH, C1-4-alkyl, C1-4-alkoxy- or halo-substituted phenylene or naphthylene radical, Y = vinyl or a radical CH2CH2U and U is a leaving group, Y1 = CH(Hal)CH2(Hal) or C(Hal)=CH2, where Hal is Cl or Br, W = SO2NR6, CONR6 or NR6CO, Q = O or NR6, n = 0 or 1, and V1 and V2 = N, CH, CCl or CF. The prints obtained are distinguished by brilliant color shades and good all around properties.
 RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

6: m = 0, 1; n = 0, 1, 2 with the proviso that when A denotes a monoazo chromophore it is not directly linked to the triazinyl radical through a hydroxynaphthalenesulfonic acid coupling component and is not A') are suitable for dyeing cellulosic or nitrogen-containing fiber materials, especially cotton. I are characterized by high fastness and good application ability. In an example, 1,3-phenylenediamine-4-sulfonic acid was monoacylated with γ-(β-chloroethylsulfonyl)butyryl chloride to give a diazo component, which was coupled with a 1:1 condensate of cyanuric chloride and 1-amino-8-naphthol-3,6-disulfonic acid. The product was further condensed with an aniline azo derivative to provide a red diazo reactive dye.

L11 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2005 ACS ON STN (Continued)
 is an unsubstituted or sulfo, carboxy, OH, C1-4-alkyl, C1-4-alkoxy- or halo-substituted phenylene or naphthylene radical, Y = vinyl or a radical CH2CH2U and U is a leaving group, Y1 = CH(Hal)CH2(Hal) or C(Hal)=CH2, where Hal is Cl or Br, W = SO2NR6, CONR6 or NR6CO, Q = O or NR6, n = 0 or 1, and V1 and V2 = N, CH, CCl or CF. The prints obtained are distinguished by brilliant color shades and good all around properties.
 RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 6 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1997:500914 CAPLUS
 DN 127:122975
 TI Reactive polyazo dyes, their preparation and their use
 IN Deitz, Rolf; Herzig, Paul; Trikas, Athanasios
 PA Ciba-Geigy A.-G., Switz.
 SO Eur. Pat. Appl., 26 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

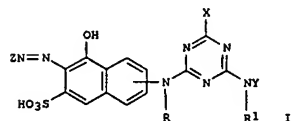
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 785237	A1	19970723	EP 1997-810011	19970110
EP 785237	B1	20010711		
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PT 785237	T	20011228	PT 1997-810011	19970110
JP 09194749	A2	19970729	JP 1997-4363	19970114
TW 454030	B	20010911	TW 1997-86100314	19970114
US 5817779	A	19981006	US 1997-783183	19970115
SG 79212	A1	20010320	SG 1997-90	19970115
CN 1163291	A	19971029	CN 1997-102273	19970117
CN 1097076	B	20021225		
PRAI CH 1996-150	A	19960119		
OS MARPAT 127:122975				
GI				



AB The dyes (I; M = optionally substituted aminotriazinylamino; X = aromatic moiety containing vinyl sulfone or vinyl sulfone-forming group; X1 = aromatic moiety containing vinyl sulfone or vinyl sulfone-forming group, sulfohenyl moiety containing fiber-reactive triazinylamino group, Ph moiety containing fiber-reactive triazinylamino group) are obtained from XNH2 diazo component, 2,4-diaminobenzenesulfonic acid (II), and H2N[MN:N]X1 by diazotization and coupling in the appropriate sequence. I provide fast shades on cotton. Thus, cyanuric chloride was condensed with taurine and then II to provide a coupling component which was then coupled with diazotized 2-(4-aminophenylsulfonylethyl) H sulfate (III). The product served as a diazo component with II, yielding a disazo intermediate which was then coupled with III to provide a triazo dye with

L11 ANSWER 7 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1997:326278 CAPLUS
 DN 126:294567
 TI Reactive azo dyes, their preparation and their use
 IN Deitz, Rolf; Mueller, Bernhard; Trikas, Athanasios
 PA Ciba Specialty Chemicals Holding Inc., Switz.
 SO Eur. Pat. Appl., 63 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 764694	A1	19970326	EP 1996-810607	19960912
EP 764694	B1	20011107		
R: BE, CH, DE, ES, FR, GB, IT, LI, PT				
TW 440596	B	20010616	TW 1996-85110631	19960831
ES 2164858	T3	20020301	ES 1996-810607	19960912
PT 764694	T	20020429	PT 1996-810607	19960912
SG 49978	A1	20010522	SG 1996-10739	19960919
JP 09111141	A2	19970428	JP 1996-249619	19960920
CN 1157839	A	19970827	CN 1996-112340	19960920
CN 1097075	B	20021225		
US 5969113	A	19991019	US 1997-979468	19971126
HK 1005553	A1	20020531	HK 1998-104757	19980602
US 2003055230	A1	20030320	US 2002-222309	20020816
US 6670457	B2	20031230		
PRAI CH 1995-2675	A	19950921		
US 1996-715055	A3	19960917		
OS MARPAT 126:294567				
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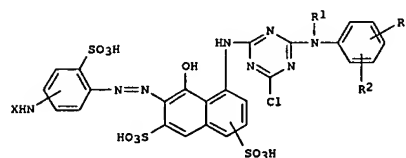


AB The dyes (I; R = optionally substituted Cl-4-alkyl; R1 = H, optionally substituted Cl-4-alkyl; X = halogen, 3-carboxy-1-pyridyl; 3-carbamoyl-1-pyridyl; Y = chromophore group; Z = diazo component group) are obtained from ZNH2, YNH2, 1,3,5-X-substituted triazine, and the appropriate R-amino-substituted 4-hydroxy-2-naphthalenesulfonic acid. I are especially suitable for dyeing and printing of cellulose and show good fastness properties. In an example, such a dye was obtained from cyanuric chloride, H acid, N-Me I acid, and 4-(2-sulfatoethylsulfonylethyl)aniline.

L11 ANSWER 6 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 2 NH2, 2 sulfo, 1 chlorotriazinyl, and 3 sulfatoethylsulfonylethyl groups, fast brown on cotton.

L11 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1995:992548 CAPLUS
 DN 124:31991
 TI Reactive azo dyes, their preparation and their use.
 IN Trikas, Athanasios; Deitz, Rolf
 PA Ciba-Geigy A.-G., Switz.
 SO Eur. Pat. Appl., 9 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

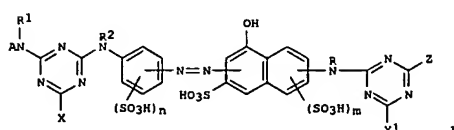
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PI EP 675171	A2	19951004	EP 1995-810191	19950321
EP 675171	A3	19960110		
EP 675171	B1	19980909		
R: BE, CH, DE, ES, FR, GB, IT, LI				
ES 2122496	T3	19981216	ES 1995-810191	19950321
JP 07268231	A2	19951017	JP 1995-67509	19950327
US 5554733	A	19960910	US 1995-411258	19950327
PRAI CH 1994-963	A	19940330		
OS MARPAT 124:31991				
GI				



AB The dyes (I; R1 = optionally hydroxylated alkyl; R2, R3 = H, alkyl, alkoxy, alkanamido, halo, sulfo; X = α,β -dihalopropionyl, α -haloacryloyl) are obtained using the appropriate α -sulfoaniline derivative as the diazo component. I provide fast shades on polyamides and wool. Thus, 2-(α,β -dibromopropionamido)aniline-5-sulfonic acid-2-chloro-4-(N-ethylamino)-6-(8-hydroxy-3,6-disulfo-2-naphthylamino)-1,3,5-triazine was obtained and was fast red on wool.

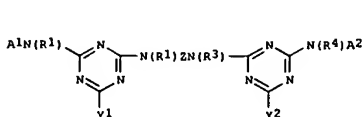
L11 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1995:659519 CAPLUS
 DN 123:58795
 TI **Reactive azo dyes, their preparation and their application.**
 IN Deitz, Rolf; Mueller, Bernhard; Trikas, Athanasios
 PA Ciba-Geigy A.-G., Switz.
 SO Eur. Pat. Appl., 38 pp.
 CODEN: EPXKXW
 DT Patent
 LA German
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 641839	A2	19950308	EP 1994-810480	19940822
EP 641839	A3	19950405		
EP 641839	B1	20000524		
R: BE, CH, DE, ES, FR, GB, IT, LI, PT				
ES 2147225	T3	20000901	ES 1994-810480	19940822
SG 49611	A1	20001121	SG 1996-1005	19940822
PT 641839	T	20001130	PT 1994-810480	19940822
US 5599911	A	19970204	US 1994-296206	19940825
JP 07082502	A2	19950328	JP 1994-205236	19940830
CN 1103084	A	19950531	CN 1994-115632	19940831
CN 1066176	B	20010523		
HK 1005555	A1	20010302	HK 1998-104759	19980602
PRAI CH 1993-2599	A	19930901		
OS MARPAT 123:58795				
GI				



AB The dyes (I; A = azo, anthraquinone, phthalocyanine, formazan, or dioxazine chromophore; R, R1, R2 = H, optionally substituted Cl-4-alkyl; X = Cl, F, Br, 3-carboxy-1-pyridyl; 3-carbamoyl-1-pyridyl; X1, Z = as for X, OH, alkoxy, phenoxy, alkylthio, morpholino, substituted amino; m = 0, 1; n = 1, 2) are obtained from 2NHR1, cyanuric chloride or fluoride, an R2-substituted diaminobenzenesulfonic acid, an R-substituted aminosulfonaphthol, and the appropriate Z- and X1-substituted triazine. I are suited for dyeing and printing of cotton and cellulosics. Thus, 7-(2-acetamido-4-aminophenylazo)-1,3,6-

L11 ANSWER 10 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1995:563226 CAPLUS
 DN 122:293410
 TI **Triazine reactive dyes, their preparation, mixtures containing them, and their use**
 IN Klier, Herbert; Mueller, Bernhard; Ruhlmann, Edmond; Trikas, Athanasios
 PA Ciba-Geigy A.-G., Switz.
 SO Eur. Pat. Appl., 48 pp.
 CODEN: EPXKXW
 DT Patent
 LA German
 FAN.CNT 1



AB The mixts. contain ≥ 2 of I (A1, A2 = dye chromophore; R1, R2, R3, R4 = H; optionally substituted Cl-4-alkyl; Y1, Y2 = halo, carboxypyridinium; Z = aliphatic bridging group), a reactive diazo dye, a reactive tetrazisazo dye, a bisformazan Cu complex reactive dye, and/or a bisdioxazine reactive dye, with each of these reactive dyes containing two fluorotriazine moieties. High fastness and color yield are obtained with the dyes. Thus, cyanuric chloride was condensed with 4,6-diamino-1,3-benzenedisulfonic acid and the product was diazotized and coupled with 1-ethyl-6-hydroxy-4-methyl-2-pyridone-3-carboxamide. This product was condensed with a mixture of ethylenediamine and trimethylenediamine to provide a dye mixture which could be used to provide brilliant yellow shades on cotton.

L11 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 and naphthalenetrisulfonic acid was condensed (1:1) with cyanuric fluoride and the product was condensed with 1,3-diamino-4-benzenesulfonic acid. The resulting aniline deriv. was diazotized and coupled with 1-(4-(N-ethylanilino)-6-fluoro-1,3,5-triazin-2-ylamino)-8-hydroxy-3,6-naphthalenedisulfonic acid to provide a brilliant orange dye for cotton.

L11 ANSWER 11 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1995:435682 CAPLUS
 DN 122:190411
 TI **Reactive azo dyes, their production and their use.**
 IN Deitz, Rolf; Trikas, Athanasios
 PA Ciba-Geigy A.-G., Switz.
 SO Eur. Pat. Appl., 19 pp.
 CODEN: EPXKXW
 DT Patent
 LA German
 FAN.CNT 1

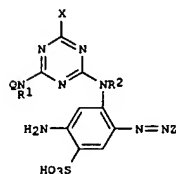
AB The dyes (I; R, R3 = amino, alkoxy, phenoxy, alkylthio, piperazino, morpholino; R1, R2 = H, optionally substituted alkyl; X, X1, X2 = F, Cl, Br, OH, 3-carboxy-1-pyridyl, 3-carbamoyl-1-pyridyl; n = 0, 1) are obtained by coupling of tetrazotized 6-halo-2,4-bis(3-amino-4-sulfoanilino)-s-triazines with the appropriate H acid-cyanuric halide-amine condensates. I show good fastness on cellulosics. Thus, H acid was condensed with cyanuric fluoride and PhEtNH and the product was coupled with tetrazotized with 6-chloro-2,4-bis(3-amino-4-sulfoanilino)-1,3,5-triazine to give a reactive dye which provided fast red shades on cotton.

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

L11 ANSWER 12 OF 26 CAPLUS COPYRIGHT 2005 ACS ON STN
 AN 1995:364086 CAPLUS
 DN 122:136095
 TI Triazine ring-containing fiber-reactive azo
 dyes, their preparation and use
 IN Deitz, Rolf; Triebel, Athanasios
 PA Ciba-Geigy A.-G., Switz.
 SO Eur. Pat. Appl., 55 pp.
 CODEN: EPIKXDW
 DT Patent
 LA German
 LCN CSE 1

L11 ANSWER 12 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

PAT. UNIT	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 623655	A1	19941109	EP 1994-810238	19940427
	EP 623655	B1	19970716		
	R: BE, CH, DE,	ES, FR, GB, IT, LI, PT			
	JP 07003176	A2	19950106	JP 1994-109115	19940426
	JP 2914869	B2	19990705		
	ES 2106484	T3	19971101	ES 1994-810238	19940427
	SG 49634	A1	20000718	SG 1996-2050	19940427
	US 5484899	A	19960116	US 1994-237478	19940503
	CN 1103416	A	19950607	CN 1994-104166	19940505
	CN 1055941	B	20000830		
PRAI	CH 1993-1391	A	19930506		
OS	HARPAT 122:136095				
GI					



AB Fiber-reactive dyes I [Q = residue of an azo, anthraquinone, triphenyldioxazine, phthalocyanine, or formazan dye; R1, R2 = H, (un)substituted C1-4-alkyl; X = F, Cl, Br, 3-carboxypyridinio, 3-carbamoylpyridinio, (un)substituted amino, OH, C1-4-alkoxy, OPh, C1-4-alkylthio, morpholino, aryl, aralkyl; Z = aryl containing vinylsulfonyl or precursor or α -haloacryloyl or precursor group] give fast shades on cotton and are prepared by reaction of cyanuric halides with the appropriate amines. Condensation of cyanuric chloride with 1,3,6,7-(H₂O₃)3C1C2NC6H4H3NC6H4H2 and 2,4-(H₂N)2C6H3SO₃H and coupling of the product with diazotized 4-H₂NC6H4SO₂CH₂CH₂OSO₃H gave fast golden yellow dye for cotton.

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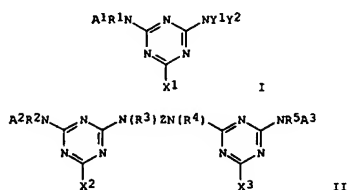
L11 ANSWER 13 of 26 CAPLUS COPYRIGHT 2005 ACS on STN
LN 1992:573376 CAPLUS
DI 117:173376
TN Triazine group-containing reactive dyes, their
IN preparation and use
PA Takas, Athanasios
PA Ciba-Geigy A.-G., Switz.
SO Eur. Pat. Appl., 75 pp.
CODEN: EPXXXXW
DT Patent
LA German
FAN-GNT.1

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PATENT NO.		KIND	DATE	APPLICATION NO.	DATE
PI	EP 489692	A1	19920610	EP 1991-810929	19911127
	EP 489692	B1	19961106		
	R: BE, CH, DE, ES, FR, GB, IT, LI				
	ES 206661	T3	19970316	ES 1991-810929	19911127
	JN 0432762	A2	19921119	JP 1991-321701	19911205
PRAI	CH 1990-3869	A	19901206		
AS	MARKAP 117:173376				
OB	The dyes containing 1 or 2 triazine rings with N and S or O directly attached, are obtained for use on cellulosic fibers, especially cotton, and provide high color yields and good fastness. Thus, the tri-Na salt of				
the coupling product obtained from diazotized 2-aminonaphthalene-3,6,8-trisulfonic acid and (3-aminophenyl)urea was condensed with 2,4-dichloro-6-(methylthio)-1,3,5-triazine. The product was condensed with 3-HMGCO ₂ Na to give a product which could be converted to a vinyl sulfone reagent dye, which was used on cotton.					

L11 ANSWER 14 OF 26 CAPLUS COPYRIGHT 2005 ACS ON STN
AN 1992:450761 CAPLUS
DI 17:50761
TN Triazine reactive dyes and mixtures of dyes and their
preparation and utilization
IN Tsukano, Achanasios
PA Ciba-Geigy A.-G., Switz.
SO Eur. Pat. Appl., 47 pp.
CODEN: EPXXDW
DT Patent
LA German
CAN CUE 2

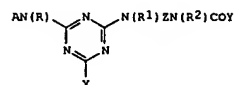
PATENT NO.		KIND	DATE	APPLICATION NO.	DATE
PI	EP 478503	A2	199204001	EP 1991-810734	19910917
	EP 478503	A3	19921028		
	EP 478503	B1	19970716		
	R: BE, CH, DE,	ES, FR, GB, IT, LI			
	EP 735107	A2	19961002	EP 1996-109923	19910917
	EP 735107	A3	19961009		
	EP 735107	B1	20000830		
	R: BE, CH, DE,	ES, FR, GB, IT, LI			
	EP 735113	A2	19961002	EP 1996-109924	19910917
	EP 735113	A3	19970122		
	EP 735113	B1	20001018		
	R: BE, CH, DE,	ES, FR, GB, IT, LI			
	ES 2106070	T3	19971101	ES 1991-810734	19910917
	ES 2150620	T3	20001201	ES 1996-109921	19910917
	ES 2152455	T3	20010201	ES 1996-109924	19910917
	US 5232462	A	19930803	US 1991-764555	19910920
	JP 3389555	B2	20030324	JP 2000-171436	19910925
	US 5451665	A	19950919	US 1993-48082	19930415
	US 5612463	A	19970318	US 1995-456215	19950531
	US 5735911	A	19980407	US 1997-775920	19970102
	US 5892006	A	19990406	US 1997-997320	19971223
FRAI	CH 1990-3077	A	19900825		
	EP 1991-810734	A3	19910917		
	US 1991-764555	A3	19910920		
	US 1993-48082	A1	19930415		
	US 1995-456215	A1	19950531		
	US 1997-775920	A3	19970102		
OS	MARPAT 117:50761				
GI					



L11 ANSWER 14 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 AB The dyes are I-II mixts. or II alone [Al-A3 = residue of axo, anthraquinone, etc., dye; R1-R5 = H, (un)substituted C1-4 alkyl; X1-X3 = F, Cl, Br, SO₃H, carboxypyridinium; Y1, Y2 = H, organic group; Z = aliphatic or aromatic bridging group] and are obtained by simultaneous synthesis or mixing. The compns. are suitable for dyeing and printing of cotton. Thus, 7-(4-amino-2-ureidophenylazo)-1,3,6-naphthalenetrisulfonic acid was condensed 1:1 with 2,4,6-trifluoro-s-triazine at 0-5° and the product was treated with 1 mol of a mixture of 2,4-diaminotoluene and morpholine to give a mixture of a disazo dye and a morpholine axo dye, each containing fluorotriazine residues. The mixture provided golden yellow shades on cotton.

L11 ANSWER 15 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1992:428758 CAPLUS
 DN 117:28758
 TI Triazine-containing reactive dyes, their preparation and use
 IN Tsikas, Athanassios
 PA Ciba-Geigy A.-G., Switz.
 SO Eur. Pat. Appl., 36 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

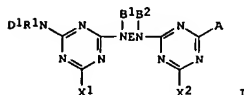
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 478504	A2	19920401	EP 1991-810735	19910917
EP 478504	A3	19921223		
EP 478504	B1	19970521		
R: BE, CH, DE, ES, FR, GB, IT, LI				
ES 2103791	T3	19971001	ES 1991-810735	19910917
JP 04272963	A2	19920929	JP 1991-245983	19910925
US 5268457	A	19931207	US 1992-999184	19921228
PRAI CH 1990-3076	B1	19900925		
US 1991-764533	A	19910920		
OS MARPAT 117:28758				
GI				



AB The dyes [I; ANHR = axo, anthraquinone, etc., dye; R, R2 = H, (un)substituted C1-4 alkyl; R1 = H, (un)substituted C1-4 alkyl, ZN(R2)COY; X = F, Cl; Y = nonreactive organic group; Z = aliphatic or aromatic bridging group] are obtained for dyeing and printing of cellulose, especially cotton. Thus, 7-(4-amino-2-ureidophenylazo)-1,3,6-naphthalenetrisulfonic acid was condensed 1:1 with 2,4,6-trifluoro-s-triazine and the product was treated 1:1 with ethylenediamine. By condensation with Ac₂O, a compound was obtained which dyed cotton in golden yellow shades.

L11 ANSWER 16 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1992:131155 CAPLUS
 DN 116:131155
 TI Reactive dyes with two triazine rings, their preparation and use
 IN Tsikas, Athanassios; Seiler, Herbert
 PA Ciba-Geigy A.-G., Switz.
 SO Eur. Pat. Appl., 65 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

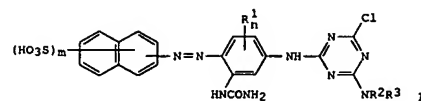
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 458743	A2	19911127	EP 1991-810362	19910510
EP 458743	A3	19921021		
R: BE, CH, DE, ES, FR, GB, IT, LI				
JP 04227970	A2	19920818	JP 1991-115822	19910521
PRAI CH 1990-1715	A	19900521		
OS MARPAT 116:131155				
GI				



AB The dyes [I; D = axo, anthraquinone, or heterocyclic dye residue; R1, B1, B2 = H, (un)substituted C1-4-alkyl; X1, X2 = halo, SO₃H, organic sulfonyl, carboxypyridinium; E = (un)substituted phenylenealkylene or phenyleneoxyalkylene; A = (un)substituted amino] are prepared for printing and dyeing of cellulosic fibers. Thus, tri-Na 7-(4-amino-2-ureidophenylazo)-1,3,6-naphthalenetrisulfonate was condensed with 2,4,6-trifluoro-s-triazine and the product was condensed with 4-(aminomethyl)aniline to give a reactive dye, which dyed cotton in golden yellow shades.

L11 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1991:585369 CAPLUS
 DN 115:185369
 TI Fiber-reactive dyes, their preparation and their use
 IN Tsikas, Athanassios; Herzig, Paul
 PA Ciba-Geigy A.-G., Switz.
 SO Eur. Pat. Appl., 18 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 426616	A1	19910508	EP 1990-810812	19901023
EP 426616	B1	19951115		
R: BE, CH, DE, ES, FR, GB, IT, LI				
ES 2080820	T3	19960216	ES 1990-810812	19901023
US 5128456	A	19920707	US 1990-604551	19901026
KR 181491	B1	19990401	KR 1990-17410	19901030
BR 9005528	A	19910917	BR 1990-5528	19901031
JP 03162460	A2	19910712	JP 1990-297055	19901101
JP 3011994	B2	20000221		
PRAI CH 1989-3939	A	19891101		
OS MARPAT 115:185369				
GI				



AB Reactive dyes I [m = 1-3; n = 0-3; R1 = halogen, NO₂, CN, CF₃, SO₂NH₂, CONH₂, C1-4-alkyl, C1-4-alkoxy, NH₂, NHAc, ureido, OH, CO₂H, SO₃H, CH₂SO₃H; R2 = H, C1-8-alkyl, C5-7-cycloalkyl; R3 = C1-8-alkyl, C5-7-cycloalkyl (the alkyl and cycloalkyl groups of R2 and R3 are optionally substituted with OH, C1-4-alkoxy, hydroxy-C1-4-alkoxy, HO(CH₂CH₂O)₂-4, sulfato-C1-4-alkoxy, C2-4-alkanoyl, C1-4-alkoxy-carbonyl, C2-4-alkanoyloxy, CO₂H, CN, halogen, C1-4-alkylamino, di-C1-4-alkylamino, or sulfato groups)] are prepared and used to print and dye cotton in fast yellow to orange shades. Thus, 585 parts 7-[4-(4,6-dichloro-s-triazin-2-ylamino)-2-ureidophenylazo]-1,3,6-naphthalenetrisulfonic acid was treated with 79 parts ethanolamine to give 7-[4-(4-chloro-6-(2-hydroxyethylamino)-s-triazin-2-ylamino)-2-ureidophenylazo]-1,3,6-naphthalenetrisulfonic acid, which imparted fast golden yellow shades to cotton.

L11 ANSWER 18 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1991:64248 CAPLUS

DN 114:64248

TI Reactive dyes containing vinylsulfonylalkylamino groups bound to a bis(triazinylamino)benzene group

IN Tsikas, Athanassios

PA Ciba-Geigy Corp., USA

SO U.S., 61 pp.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 4925928	A	19900515	US 1988-210678	19880623
PRAI US 1988-210678		19880623		
OS MARPAT 114:64248				

GI For diagram(s), see printed CA Issue.

AB The title dyes I [A = amino substituent containing ≥ 1 SO₂Z group; Z = β -sulphatoethyl, β -thiosulphatoethyl, β -phosphatoethyl, β -acetoxylethyl, β -haloethyl, CH:CH₂; G = chromophoric residue; R, R₁, R₂ = H, (un)substituted C1-4 alkyl; X, Y = F, Cl, Br, SO₃H, Cl-4 alkylsulfonyl, phenylsulfonyl; Z1 = H, Cl-4-alkyl, Cl-4 alkoxy, halogen, CO₂H, SO₃H], useful for dyeing or printing cellulosic fabrics, are prepared

Thus, Na 2-(3'-(aminophenyl)amino-4,6-dichloro-1,3,5-triazine-4'-sulfonate was diazotized, coupled with Na 2,6-dihydroxy-3-sulfomethyl-4-methylpyridine salt, the intermediate condensed with Na 1,3-phenylenediamine-4-sulfonate and then with cyanuric chloride, and H₂N(CH₂)₂O(CH₂)₂SO₂(CH₂)₂Cl.HCl added, forming II, which dyed cellulosic fibers fast greenish yellow shades.

L11 ANSWER 19 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1990:593450 CAPLUS

DN 113:193450

TI Triazine ring-containing reactive dyes with vinylsulfone or precursor residues

IN Tsikas, Athanassios

PA Ciba-Geigy A.-G., Switz.

SO Ger. Offen., 58 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 3935583	A1	19900503	DE 1989-3935583	19891025
CH 676991	A	19910328	CH 1988-4041	19881028
US 5084562	A	19920128	US 1989-422861	19891017
GB 2225019	A1	19900523	GB 1989-23812	19891023
GB 2225019	B2	19920610		
FR 2638459	A1	19900504	FR 1989-14057	19891026
FR 2638459	B1	19910208		
JP 02170864	A2	19900702	JP 1989-278821	19891027
PRAI CH 1988-4041	A	19881028		
OS MARPAT 113:193450				
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title dyes I [A = substituted aminophenyl group containing sulfone group, aminonaphthyl group containing sulfone group; R = substituted aminoalkyl containing vinylsulfone or vinylsulfone-precursor residues; R₁, R₂ = H, (un)substituted C1-4 alkyl; X = chromophoric residue; Y = direct bond, (CH₂)_n, O(CH₂)_n; n = 1-6; l = 1, 2], useful for dyeing or printing of cellulose-containing fibers, are prepared Thus, 1-(4'-sulphophenyl)-3-carboxy-4-(4'-amino-2'-sulphophenylazo)-5-pyrazolone was condensed with cyanuric fluoride, the condensate condensed with 4-aminobenzoic acid-N'- β -(β -chloroethylsulfonyl)ethylamide hydrochloride, and the condensate condensed with 3-aminobenzoic acid-N'- β -(β -chloroethylsulfonyl)ethylamide hydrochloride, producing II, which dyed cotton fabrics fast golden-yellow shades.

L11 ANSWER 20 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1989:536011 CAPLUS

DN 111:136011

TI Difunctional dis- or triazo reactive dyes

IN Tsikas, Athanassios

PA Ciba-Geigy A.-G., Switz.

SO Eur. Pat. Appl., 60 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 313513	A1	19890426	EP 1988-810632	19880915
EP 313513	B1	19920617		
R: CH, DE, FR, GB, LI				
JP 01115963	A2	19890509	JP 1988-237557	19880924
PRAI CH 1987-4098	A	19871019		
OS MARPAT 111:136011				
GI				

GI For diagram(s), see printed CA Issue.

AB The title dyes, containing s-triazine rings and useful for dyeing or printing cellulosic fabrics in fast shades, are prepared J acid was condensed with cyanuric chloride and then with 3-(H₂N)C₆H₄CONHCH₂CH₂SO₂CH₂CH₂SO₃H and the product was coupled with diazotized 7-[(4-amino-3-sulphophenyl)azo]-1,5-naphthalenedisulfonic acid to give I, which dyed cotton in a fast red shade.

L11 ANSWER 21 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1989:424960 CAPLUS

DN 111:24960

TI Bifunctional reactive triazine group-containing dyes

IN Tsikas, Athanassios

PA Ciba-Geigy A.-G., Switz.

SO Eur. Pat. Appl., 72 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 297044	A2	19881228	EP 1988-810410	19880615
EP 297044	A3	19890201		
EP 297044	B1	19920819		
R: BE, CH, DE, ES, FR, GB, IT, LI				
ES 2051887	T3	19940701	ES 1988-810410	19880615
BR 8803093	A	19890124	BR 1988-3093	19880623
JP 01022970	A2	19890125	JP 1988-155112	19880624
PRAI CH 1987-2379	A	19870624		
OS MARPAT 111:24960				
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

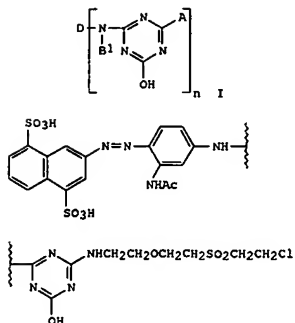
AB The title dyes I [A = an amino substituent containing SO₂Z group(s); Z = β -sulphatoethyl, β -thiosulphatoethyl, β -phosphatoethyl, β -acyloxyethyl, β -haloethyl, CH:CH₂; A1, A2, R = H, (un)substituted C1-4 alkyl; D = chromophoric residue; Q = H, Cl-4 alkyl, CO₂H, Cl-4 alkoxy, halogen, SO₃H; X, Y = F, Cl, Br, SO₃H, Cl-4 alkylsulfonyl, phenylsulfonyl], useful for dyeing or printing of cellulose-containing fabrics, are prepared The Na salt of 2-(3'-aminophenyl)amino-4,6-dichloro-1,3,5-triazine-4'-sulfonic acid was diazotized and coupled with the Na salt of 2,6-dihydroxy-3-sulfomethyl-4-methylpyridine, the intermediate condensed with the condensate of 1,3-(H₂N)C₆H₃SO₃Na-4, and cyanuric chloride and the intermediate condensed with HCl.H₂N(CH₂)₂O(CH₂)₂SO₂(CH₂)₂Cl, forming II, which dyed cellulose fabrics in a fast greenish yellow shade.

L11 ANSWER 22 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1988:7496 CAPLUS
 DN 108:7496
 TI Hydroxytriazine ring-containing reactive dyes
 IN Tsikas, Athanassios
 PA Ciba-Geigy A.-G., Switz.
 SO Eur. Pat. Appl., 96 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 233139	A2	19870819	EP 1987-810002	19870106
EP 233139	A3	19871209		
EP 233139	B1	19910116		
R: BE, CH, DE, FR, GB, IT, LI				
JP 62215661	A2	19870922	JP 1987-1963	19870109
PRAI CH 1986-88	A	19860110		

GI

L11 ANSWER 22 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 sq. HCl at 70° gave II which dyed cotton in a yellow shade.



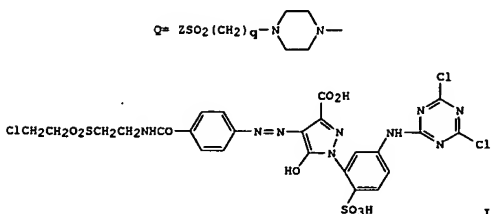
AB Dyes I (A = amino substituent containing ≥ 1 group SO_2Z with Z = β -sulfoethoxyethyl, β -thiosulfoethoxyethyl, β -haloethyl, etc.; B1 = H, C1-4 alkyl, etc.; D = residue of monoazo, polyazo, or other dye; n = 1-2), useful for dyeing cellulose-containing textiles, are prepared by condensing 2-(2-acetamido-4-aminophenylazo)-4,8-disulfonaphthalene with cyanuric fluoride and $H_2NCH_2CH_2OCH_2CH_2SO_2CH_2CH_2Cl$, followed by hydrolysis in

L11 ANSWER 23 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1987:498203 CAPLUS
 DN 107:98203
 TI Bifunctional reactive azo dyes
 IN Tsikas, Athanassios
 PA Ciba-Geigy A.-G., Switz.
 SO Eur. Pat. Appl., 155 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 221013	A1	19870506	EP 1986-810427	19860929
EP 221013	B1	19900117		
R: BE, CH, DE, FR, GB, IT, LI				
US 4766206	A	19880823	US 1986-911176	19860924
BR 8604823	A	19870707	BR 1986-4823	19861003
JP 62161859	A2	19870717	JP 1986-234721	19861003
JP 08030152	B4	19960327		
PRAI CH 1985-4289	A	19851003		

GI

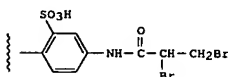
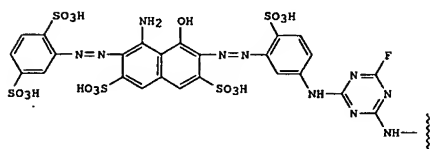
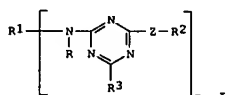
L11 ANSWER 23 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 intermediate condensed with cyanuric chloride, forming I, which was used to dye a cotton fabric.



AB The title compds. (RU)ND(X)r (D = monoazo-, polyazo-, metal complex azo-, anthraquinone-, phthalocyanine-, formazan-, azomethine-, dioxazine-, phenazine-, stilbene-, triphenylmethane-, xanthene-, thioxanthone-, nitroaryl, naphthoquinone-, pyrenequinone-, or perylenetetracarboxylic-dye residue; R = $ZSO_2CH_2Z1(Y)N(V)-$, $ZSO_2(CH_2)mO(CH_2)pN(R1)-$, ZSO_2Z2NH_2Z2NH- , Q: Z = sulfoethoxyethyl, β -thiosulfoethoxyethyl, β -phosphatoethyl, β -acetoxylethyl, β -haloethyl, H2C:CH: Z1 = C1-6 alkylene; Z2 = C2-6 alkylene; V = H, (un)substituted C1-4 alkylene, (un)substituted C1-2 alkoxy, especially $ZSO_2CH_2Z1(Y)-$; R1 = H, C1-6 alkyl; Y = H, Cl, Br, F, HO, HOSO3, C1-4 acyloxy, CN, CO2H, C1-5 alkoxy-carbonyl, carbamoyl, SO2Z; m = 1-6; p, q = 1-6; U = CO, SO2; X = an aliphatic, aromatic, or heterocyclic reactive residue; n, r = 1, 2) are prepared and are useful for dyeing or printing of textiles, especially cotton. Thus, diazotized 4-chloro-2-sulfo-5-pyrazolone, and the yellow with 1-(5-amino-2-sulphophenyl)-3-carboxy-5-pyrazolone, and the yellow

L11 ANSWER 24 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1987:68720 CAPLUS
 DN 106:68720
 TI Reactive dyes
 IN Scheibli, Peter; Seitz, Karl; Seiler, Herbert; Tsikas, Athanasios
 PA Ciba-Geigy A.-G., Switz.
 SO Eur. Pat. Appl., 81 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 179019	A1	19860423	EP 1985-810463	19851009
	EP 179019	B1	19900516		
	R: BE, CH, DE, FR, GB, IT, LI				
	JP 61264062	A2	19861121	JP 1985-227975	19851015
	JP 06089263	B4	19941109		
	US 4801694	A	19890131	US 1987-73323	19870713
PRAI	CH 1984-4931	A	19841015		
GI	US 1985-785178	A1	19851007		

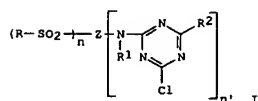


II

AB Reactive dyes I [n = 1, 2; R = H, Cl-4 alkyl; R1 = organic dye residue of the monoazo, polyazo, metal complex azo, anthraquinone, phthalocyanine, formazan, azomethine, dioxazine, phenazine,

L11 ANSWER 25 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1987:68719 CAPLUS
 DN 106:68719
 TI Reactive dyes
 IN Tsikas, Athanasios
 PA Ciba-Geigy A.-G., Switz.
 SO Eur. Pat. Appl., 118 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 177445	A1	19860409	EP 1985-810426	19850920
	EP 177445	B1	19900523		
	R: BE, CH, DE, FR, GB, IT, LI				
	EP 305021	A2	19890301	EP 1986-202095	19850920
	EP 305021	A3	19890315		
	EP 305021	B1	19920129		
	R: BE, CH, DE, FR, GB, IT, LI				
	BR 8504720	A	19860722	BR 1985-4720	19850925
	JP 61123671	A2	19860611	JP 1985-211200	19850926
	JP 2510496	B2	19960626		
	US 5233026	A	19930803	US 1991-740656	19910802
PRAI	CH 1984-4612	A	19840926		
	CH 1984-4612	B1	19850919		
	EP 1985-810426	P	19850920		
	US 1987-58621	B1	19870604		
	US 1988-210220	B1	19880617		
GI	US 1990-483283	B1	19900220		



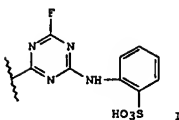
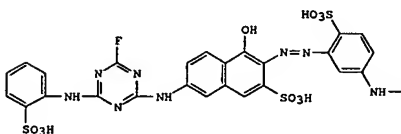
AB Reactive dyes I [n, n1 = 1, 2; R = vinyl, β-sulfatoethyl, β-thiosulfatoethyl, β-chloroethyl, β-acetoxyethyl; R1 = H, Cl-4 alkyl; R2 = (un)substituted NH2; provided that R2 may not be a SO3H or CO2H substituted PhN group, or when a triazine is bound to a 1,8-aminonaphthyl-3,6- or -4,6-disulfonic acid then the residue RS02 is bound directly to an aromatic C; Z = monoazo dye residue] are useful for printing or dyeing cellulose containing materials, especially cotton.

Thus, 4-β-sulfatoethylsulfonylaniline was diazotized and coupled with 1-(5'-aminophenyl-2'-sulfo)-3-carboxy-5-pyrazolone, the resulting monoazo dye condensed with cyanuric chloride, and N-methylaniline condensed with the substituted triazine forming bifunctional azo reactive dye.

L11 ANSWER 24 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
 stilbene, triphenylmethane, xanthene, thioxanthone, nitroaryl, naphthoquinone, pyroquinone, or perylenetetracarboximide series; R2 = CO2,
 SO2Z; Z = aliph., arom., or heterocyclic reactive group; R3 = an ionically cleavable substituent; Z = NR5, N(R5)NR4, N(R5)Z1NR4; R4, R5 = H, Cl-4 alkyl, Ph; Z1 = (un)substituted aliph. or arom. bridging group, are useful for the dyeing or printing of cellulose contg. fabrics. Thus, 1-amino-4-(2,3-dibromopropionylamino)-2-benzenesulfonic acid was condensed with cyanuric fluoride, and the intermediate condensed with a disazo dye forming II, which dyed cotton a blue shade.

L11 ANSWER 26 OF 26 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 1985:150918 CAPLUS
 DN 102:150918
 TI Reactive azo dyes for cellulosic textiles
 IN Tsikas, Athanasios; Kaeser, Adolf
 PA Ciba-Geigy A.-G., Switz.
 SO Eur. Pat. Appl., 84 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 131542	A1	19850116	EP 1984-810275	19840606
	EP 131542	B1	19890419		
	R: CH, DE, FR, GB, IT, LI				
	JP 60088367	A2	19850117	JP 1984-118384	19840611
	JP 05078598	B4	19931029		
	US 4818247	A	19890404	US 1987-53526	19870521
PRAI	CH 1983-3187	A	19830610		
	US 1984-618691	A1	19840608		
	US 1985-767247	A1	19850820		
GI	US 1986-835586	A1	19860303		



AB Bireactive azo dyes of general structure RR1N(QN:NQ1)NR2R3 are prepared, where Q represents a diazo component residue of the benzene, naphthalene, azobenzene, naphthylazobenzene, azonaphthalene, or phenylazonaphthalene type; Q1 is a coupler residue of benzene, naphthalene, or heterocyclic (except pyrazolone) type; R and R2 are H or Cl-4 alkyl; and R1 and R3 are (un)substituted aminofluoro-s-triazinyl. Thus, reaction of 2-amino-6-(3-amino-6-sulfophenylazo)-5-hydroxy-7-naphthalenesulfonic acid [95713-97-6] with 2,4-difluoro-6-(2-sulfophenylamino)-1,3,5-triazine [60379-39-7] in H2O at 20-25°C/pH 7.0 gave I [95727-46-1], an orange dye for cotton. Numerous other mono- and disazo dyes were prepared.

=> d his full

(FILE 'HOME' ENTERED AT 10:10:37 ON 02 DEC 2005)

FILE 'REGISTRY' ENTERED AT 10:10:46 ON 02 DEC 2005

L1 STRUCTURE UPLOADED

L*** DEL 15 S L1E

L2 3 SEA SSS SAM L1

D L1

D SCAN

L3 8 SEA SSS FUL L1

FILE 'CAPLUS' ENTERED AT 10:12:08 ON 02 DEC 2005

L4 2 SEA ABB=ON PLU=ON L3

D QUE L4 STAT

D 1-2 IBIB IABS HITSTR

E WO2004013235/PN

L5 1 SEA ABB=ON PLU=ON WO2004013235/PN

D IND

SEL L5 1 RN

FILE 'REGISTRY' ENTERED AT 10:16:18 ON 02 DEC 2005

L6 7 SEA ABB=ON PLU=ON (108-77-0/BI OR 215500-05-3/BI OR 24352-85-0/BI OR 656249-85-3/BI OR 88-63-1/BI OR 90-20-0/BI OR 97987-08-1/BI)

D 1-7 IDE CAN

FILE 'CAPLUS' ENTERED AT 10:18:30 ON 02 DEC 2005

D L5

D L5 BIB ABS

E TZIKAS ATHANASSIOS/AU

L7 127 SEA ABB=ON PLU=ON "TZIKAS ATHANASSIOS"/AU

E MULLER BERNHARD/AU

L8 27 SEA ABB=ON PLU=ON ("MULLER BERNHARD"/AU OR "MULLER BERNHARD H"/AU)

E ROENTGEN GEORG/AU

L9 8 SEA ABB=ON PLU=ON "ROENTGEN GEORG"/AU

L10 153 SEA ABB=ON PLU=ON L7 OR L8 OR L9

L11 26 SEA ABB=ON PLU=ON L10 AND (REACTIVE AND AZO AND TRIAZIN?)

D QUE L11 STAT

D 1-26 BIB ABS

FILE HOME

FILE REGISTRY

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DICTIONARY FILE UPDATES: 30 NOV 2005 HIGHEST RN 869059-01-8

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FILE LAST UPDATED: 1 Dec 2005 (20051201/ED)

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